

AUTHORS' CONTRIBUTION

The "Authors' Contribution" section of a scientific article, must reflect the specific roles of all the contributors in accordance with the CRediT (Contributor Roles Taxonomy) classification system. This is a standard list of author roles in scientific publications. Each author should be listed according to their functions. This approach helps to properly identify contributions to the study and distribute responsibilities for the preparation of the manuscript for publication.

The key functions to consider in this section:

1. **Conceptualisation.** Developing the concept and formulating the objectives and tasks of the study.
2. **Methodology.** Justifying the research methodology and developing methods and approaches to the studied issues.
3. **Investigation.** Conducting the experiment and performing other related tasks, such as reviewing literature, collecting data, testing techniques, and undertaking the study.
4. **Formal Analysis.** Conducting statistical, mathematical, or other quantitative analysis of research data, e.g. factor, regression, correlation, and dispersion analyses.
5. **Software.** Development or use of programs, code, or computational tools used in the study (notably MATLAB R2023a, SPSS Statistics 29.0, and Microsoft Excel, etc.).
6. **Data Curation.** The full cycle of working with research data. This includes but is not limited to, collecting, processing, validating, managing, verifying, and storing research data, as well as checking the reproducibility of both intermediate and final research results.

7. **Writing – original draft.** Writing an initial draft of the article, including the summary of the main findings.
8. **Writing – review & editing.** Reviewing and editing the text of the article, correcting errors, and improving the wording.
9. **Visualisation.** Preparing graphs, illustrations, diagrams, or other visual materials on the research for the article.
10. **Project management.** Managing the project, overseeing the course of the study, and organising the research work, supervising the article text creation.
11. **Funding acquisition.** Raising funds, namely, receiving grants to support the study.